

**B. IN THE CLAIMS**

Please enter the following rewritten claims:

*Amb C1 A2*

1. An *in vitro* method for determining the effect of an agent on cell proliferation, comprising:  
contacting a cell containing a *Renilla* luciferase polypeptide or a polynucleotide encoding a *Renilla* luciferase with an agent suspected of modulating cell proliferation under conditions that allow the agent and the cell to interact; and  
comparing the light emission data from the cell in the presence of the agent to the light emission data from the cell in the absence of the agent, wherein a difference in light emission data is indicative of an effect on cell proliferation.

*A3 Amb B3*

18. An *in vitro* method for determining cell proliferation of a cell or population of cells comprising:  
obtaining light emission data from a cell containing a *Renilla* luciferase polypeptide or a polynucleotide encoding a *Renilla* luciferase over a period of time wherein a change in light emission data is indicative of a corresponding change in cell proliferation.

*A4 Amb C3*

31. An *in vitro* method for determining the effect of an agent on cell proliferation, the method comprising:  
transfecting a cell obtained from a sample with a vector containing a polynucleotide sequence encoding a *Renilla* luciferase;  
contacting the transfected cell with an agent suspected of modulating cell proliferation under conditions that allow the agent and the cell to interact; and